

Table A-4 - Remedial Action Alternative E

Removal and Capping to Achieve Authorized Channel Depths w/ CAD Disposal (Pilot No. 2A)
Whatcom Waterway Area

Item	Unit	Unit Cost	No. of Units	Total Cost
Mobilization/Demobilization	PERCENT	2%	\$15,260,000	\$229,000
Outer/Mid Whatcom Waterway - SSU 1				
- Cap	CY	\$15.0	10,700	\$161,000
- Mechanical Dredge and Transport to CAD	CY	\$5.0	210,000	\$1,050,000
Head of Whatcom Waterway (30' Channel) - SSU 2				
- Cap	CY	\$15.0	34,800	\$522,000
- Mechanical Dredge and Transport to CAD	CY	\$5.0	80,000	\$400,000
Head of Whatcom Waterway (18' Channel) - SSU 3				
- Cap	CY	\$15.0	0	\$0
- Mechanical Dredge and Transport to CAD	CY	\$5.0	20,000	\$100,000
G-P Log Pond - SSU 4				
- Maintain existing Interim Action cap	-	-	-	-
G-P ASB - SSU 5				
- Cap	CY	\$15.0	136,200	\$2,043,000
- Mechanical Dredge and Transport to CAD	CY	\$5.0	10,000	\$50,000
Port Log Rafting Area - SSU 6				
- Cap	CY	\$15.0	48,900	\$734,000
- Mechanical Dredge and Transport to CAD	CY	\$5.0	40,000	\$200,000
Starr Rock - SSU 7				
- Cap	CY	\$15.0	149,600	\$2,244,000
I&J Street Waterway - SSU 8				
- No Action	-	-	-	-
Disposal - Starr Rock CAD				
- Construct rip rap training dikes	CY	\$40.5	26,800	\$1,085,000
- Construct containment berm	CY	\$15.0	134,000	\$2,010,000
- Place CAD cap	CY	\$15.0	261,185	\$3,918,000
- Bottom dump barge placement (below -5' MLLW)	CY	\$1.5	360,000	\$540,000
- Clamshell off of barge placement (above -5' MLLW)	CY	\$12.5	0	\$0
- Construct rip rap reef	CY	\$40.5	5,000	\$203,000
Engineering Design	PERCENT	10%	\$15,260,000	\$1,526,000
Construction Monitoring/Management	PERCENT	5%	\$15,489,000	\$774,000
Long-term Monitoring	LS	\$500,000	1	\$500,000
Contingency	PERCENT	30%	\$18,289,000	\$5,487,000
TOTAL ESTIMATED COST				\$23,776,000